

Form PTO-1449

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U.S. Department of Commerce
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Atty. Docket No.

0575/62948/JPW/BJA

Serial No.

09/823,181

Applicant:

Jingyue Ju et al.

Filing Date:

March 30, 2001

Group Art Unit

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
AC	5 8 7 6 9 3 6	3/2/99	Ju	435	6	
	6 0 4 6 0 0 5	4/4/00	Ju et al	435	6	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Bergseid M, Baytan AR, Wiley JP, Ankener WM, Stolowitz, Hughs KA, Chestnut JD (2000) Small-molecule base chemical affinity system for the purification of proteins. BioTechniques 29: 1126-1133. (Exhibit 4);
	Chiu NH, Tang K, Yip P, Braun A, Koster H, Cantor CR. (2000) Mass spectrometry of single-stranded restriction fragments captured by an undigested complementary sequence. Nucleic Acids Res. 28: E31. (Exhibit 5);
	Fei Z, Ono T, Smith LM. (1998) MALDI-TOF mass spectrometric typing of single nucleotide polymorphisms with mass-tagged ddNTPs. Nucleic Acids Res. 26: 2827-2828. (Exhibit 6);
	Fu DJ, Tang K, Braun A, Reuter D, Darnhofer-Demar B, Little DP, O'Donnell MJ, Cantor CR, Koster H. (1998) Sequencing exons 5 to 8 of the p53 gene by MALDI-TOF mass spectrometry. Nat Biotechnol. 16: 381-384. (Exhibit 7);
	Jurinke C, van de Boom D, Collazo V, Luchow A, Jacob A, Koster H. (1997) Recovery of nucleic acids from immobilized biotin-streptavidin complexes using ammonium hydroxide and applications in MALDI-TOF mass spectrometry. Anal. Chem. 69: 904-910. (Exhibit 8);
✓ AC	Monforte JA, Becker CH (1997) High-throughput DNA analysis by time-of-flight mass spectrometry. Nat Med. 3(3): 360-362. (Exhibit 9).

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Hou K. Chakrabarti

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Jingyue Ju, et al.

Serial No.: 09/823,181

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Exhibit 1

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AC	Olejnuk J, Ludemann HC, Krzymanska-Olejnuk E, Berkenkamp S, Hillenkamp F, Rothschild KJ. (1999) Photocleavable peptide-DNA conjugates: synthesis and applications to DNA analysis using MALDI-MS. Nucleic Acids Res. 27: 4626-4631. (Exhibit 10);
	Roskey MT, Juhasz P, Smirnov IP, Takach EJ, Martin SA, Haff LA. (1996) DNA sequencing by delayed extraction-matrix-assisted laser desorption/ionization time of flight mass spectrometry. Proc. Natl. Acad. Sci. USA. 93: 4724-4729. (Exhibit 11);
	Tang K, Fu DJ, Julien D, Braun A, Cantor CR, Koster H. (1999) Chip-based genotyping by mass spectrometry. Proc. Natl. Acad. Sci. USA. 96: 10016-10020. (Exhibit 12);
AC	Tong, X., Smith LM (1992) Solid-Phase Method for the Purification of DNA Sequencing Reactions. Anal. Chem. 64: 2672-2677. (Exhibit 13).

EXAMINER

Ann Kr. Chakraborty

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